



NOTES

1. DESIGN WAVELENGTH: 1016.0 nm, 1330.0 nm & 1550.0 nm
2. CLEAR APERTURE:  $>90\%CA$
3. OPERATION WAVELENGTH: 1100 nm–1650 nm
4. DIAMETER TOLERANCE:  $+0.0/-0.1$  mm
5. THICKNESS TOLERANCE:  $\pm 0.1$  mm
6. FOCAL LENGTH:  $30.0\text{ mm} \pm 1\% @ 1330.0\text{ nm}$
7. BACK FOCAL LENGTH(REF): 27.3 mm
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE POWER(S1,S2):  $3\lambda/2 @ 632.8\text{ nm}$
10. SURFACE IRREGULARITY(S1,S2):  $\lambda/4 @ 632.8\text{ nm}$
11. CENTRATION:  $<3$  arcmin
12. CHAMFER:  $<0.2\text{ mm}, 45^\circ$
13. COATING(S1,S2): AR COATING  $R_{avg} < 0.5\% @ 1100\text{ nm} - 1650\text{ nm}$

	MATERIAL
①	N-PK52A
②	N-SF6

DRAWING PROJECTION				<b>LBTEK</b>			
	NAME	DATE	AD205-C				
DRAWN	BSHU	Aug./5th/24	$\phi 8.0\text{ mm}, F=30.0\text{ mm}$ ACHROMATIC DOUBLETS AR COATING 1100–1650 nm				
APPROVAL	WCHENG	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-PK52A/N-SF6	0.21 g	5:1	A	